

COPY

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed at 201) below or an original, first and joint inventor (if plural names are listed at 201-208 below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

PARALLEL DISPATCH WAIT SIGNALING METHOD, METHOD FOR REDUCING CONTENTION OF HIGHLY CONTENTED DISPATCHER LOCK, AND RELATED OPERATING SYSTEMS, MULTIPROCESSOR COMPUTER SYSTEMS AND PRODUCTS

which is described and claimed in:

- ☒ the specification attached hereto.
- ☐ the specification in U.S. Application Serial Number 09/000,000, filed on December 30, 2000.
- ☐ the specification in PCT international application Number _____, filed on _____; and was amended on _____.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a). I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign/PCT Applications and Any Priority Claims Under 35 U.S.C. §119:			
Application No.	Filing Date	Country	Priority Claimed Under 35 U.S.C. §119?
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below, and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose material information as defined in 37 CFR §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

**Prior U.S. Applications or PCT International Applications Designating the U.S.-Benefit
Under 35 U.S.C. §120**

U.S. Applications		Status (Check One)		
Application Serial No.	U.S. Filing Date	Patented	Pending	Abandoned
PCT Applications Designating the U.S.				
Application No.	Filing Date	U.S. Serial No. Assigned		

**CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S)
(35 U.S.C. §119(e))**

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

Applicant	Provisional Application Number	Filing Date

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) with full powers of association, substitution and revocation to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Sewall P. Bronstein (Reg. No. 16,919)	Peter F. Corless (Reg. No. 33,860)	Christine C. O'Day (Reg. No. 38,256)
David G. Conlin (Reg. No. 27,026)	Cara Z. Lowen (Reg. No. 38,227)	Lisa Swiszc Hazzard (Reg. No. 44,368)
George W. Neuner (Reg. No. 26,964)	William J. Daley, Jr. (Reg. No. 34,587)	George Hartnell (Reg. No. 44,368)
Linda M. Buckley (Reg. No. 31,003)	Robert L. Buchanan (Reg. No. 40,927)	Kerri Pollard Schray (Reg. No. P-47,066)
Peter J. Manus (Reg. No. 26,766)	David Tucker (Reg. No. 27,840)	

SEND CORRESPONDENCE TO: William J. Daley, Jr. Dike, Bronstein, Roberts & Cushman Intellectual Property Practice Group EDWARDS & ANGELL, LLP 130 Water Street Boston, Massachusetts 02109	DIRECT TELEPHONE CALLS TO: William J. Daley, Jr. (617) 523-3400
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201	FULL NAME OF INVENTOR	LAST NAME Martin	FIRST NAME Brian	MIDDLE NAME James
	RESIDENCE & CITIZENSHIP	CITY Redmond	STATE OR FOREIGN COUNTRY Washington	COUNTRY OF CITIZENSHIP Canada
	POST OFFICE ADDRESS	POST OFFICE ADDRESS 21701 NE 73rd Place	CITY Redmond	STATE OR COUNTRY AND ZIP CODE Washington 98053

202	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY AND ZIP CODE

I hereby further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Signature of Inventor 201	Signature of Inventor 202
Date:	Date:

COPY

Docket No.: 55,419 (70158)

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ASSIGNMENT

I/We, Brian James Martin, for good and valuable consideration from EMC Corporation, having its principal place of business at 35 Parkwood Drive, Hopkinton, Massachusetts, 01748, hereinafter called the Assignee, receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto the Assignee, its successors and assigns, the entire right, title and interest in, to and under an application for Letters Patent of the United States, entitled PARALLEL DISPATCH WAIT SIGNALING METHOD, METHOD FOR REDUCING CONTENTION OF HIGHLY CONTENTED DISPATCHER LOCK, AND RELATED OPERATING SYSTEMS, MULTIPROCESSOR COMPUTER SYSTEMS AND PRODUCTS and under an application for Letters Patent, having a Serial Number of 09/000,000 and a filing date of December 30, 2000, including all priority rights ensuing therefrom, and the inventions and any of them therein set forth and described, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor, together with the right to apply for such Letters Patent.

And for the above consideration, I/we agree promptly upon request of the Assignee, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, divisional, continuation or reissue, or other papers which may be necessary or desirable fully to secure to the Assignee, its successors and assigns, the inventions and any of the them described in said application and all patent rights therein, in the United States and in any country foreign thereto.

The undersigned Assignor(s) also hereby grant(s) the law firm of EDWARDS & ANGELL, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office including the Serial Number for the above-referenced patent application for Letters Patent of the United States.

IN WITNESS WHEREOF, I, Brian James Martin, hereunto set my hand and seal this _____ day of _____, 2001.

Brian James Martin

ASSIGNMENT (Cont.)

State of Washington

County of _____ ss.

Before me this _____ day of _____, personally appeared Brian James Martin, who is to me personally known, and acknowledged the foregoing instrument of assignment to be his free act and deed.

Notary Public

NOTARY PUBLIC

160377

Attorney/Sec: **RLB/dmt**
Docket No.: **55,486-P**
(PPT-3004-US)
Patent No.:
Grant Date:

Transmittal Letter
Revocation of Prior Powers of Attorney and New Power
of Attorney
Statement Under 37 CFR 3.73(b)-Establishing Right to
Assignee to Take Action
Certificate of Mailing
Postcard
Assignment (copy)

Due Date: 12/26/2000

Figure 1 displays 12 histograms showing the distribution of the number of non-zero elements in the vector x for different values of n (10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120). The x-axis is labeled 'x' and ranges from 0 to 120. The y-axis is labeled 'count' and ranges from 0 to 100. The distributions are centered around 60 and become narrower as n increases.